

**ALW 8/12/06****Refine Search**

Your wildcard search against 10000 terms has yielded the results below.

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**Search Results -**

Terms	Documents
L17 and ((electronic near2 receipt\$) or "e-receipt") and (receipt\$ same ((inventor\$ or report\$) with updat\$))	5

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**

L18

Refine Search

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**Search History**

**DATE:** Saturday, August 12, 2006    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR			
<u>L18</u>	L17 and ((electronic near2 receipt\$) or "e-receipt") and (receipt\$ same ((inventor\$ or report\$) with updat\$))	5	<u>L18</u>
<u>L17</u>	l12 or l13 or l14 or l15	130	<u>L17</u>
<u>L16</u>	l13-l15	10865291	<u>L16</u>
DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR			
<u>L15</u>	(5995937   5058044   4700297   5465206   4804937   5065315   5823948   5875436   5550738   4658371   5590038   5621889   5772585   4258421   4763356   5822544   5924074   5557254   5355474   5146439   5946659   5278901   5557268   5974389   5570283   5459304   5557514   5557742	37	<u>L15</u>

5845285 | 4025791 | 4852000 | 5319543 | 5359509 | 4873687 | 4728922 |  
5499181 | 4817092)! [PN]

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;  
OP=OR*

<u>L14</u>	('6973434'   '5680328'   '6029144'   '5739512') [ABPN1,NRPN,PN,TBAN,WKU]	8	<u>L14</u>
<u>L13</u>	('6973434'   '5680328'   '6029144'   '5739512') [URPN]	85	<u>L13</u>
<u>L12</u>	L11 and ((electronic near2 receipt\$) or "e-receipt")	4	<u>L12</u>
<u>L11</u>	L10 and (receipt\$ same ((inventor\$ or report\$) with updat\$))	184	<u>L11</u>
<u>L10</u>	L4 or L9	359	<u>L10</u>
<u>L9</u>	(receipt\$ same (inventory or review\$ or report\$) same updat\$) and @pd<=19990610	226	<u>L9</u>
<u>L8</u>	L4 and 705/15-16, 20-23,26-30,34.ccls.	1008	<u>L8</u>
<u>L7</u>	('5666493'   '6594692'   '5978772'   '7058596'   '4972318'   '5694546') [URPN]	431	<u>L7</u>
<u>L6</u>	L5 and (receipt\$ same ((inventor\$ or report\$) with updat\$))	6	<u>L6</u>
<u>L5</u>	L4 and 705/26,27.ccls.	11	<u>L5</u>
<u>L4</u>	(receipt\$ same (inventory or review\$ or report\$) same updat\$) and @ad<=19990610	320	<u>L4</u>

*DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR*

<u>L3</u>	L1 and inventor\$	0	<u>L3</u>
<u>L2</u>	L1 and (receipt\$ same (inventor\$ or review\$ or report\$) same updat\$)	1	<u>L2</u>
<u>L1</u>	5739512.pn.	1	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

**First Hit**

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[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)**Search Results - Record(s) 1 through 5 of 5 returned.**☐ 1. Document ID: US 7072855 B1

L18: Entry 1 of 5

File: USPT

Jul 4, 2006

US-PAT-NO: 7072855

DOCUMENT-IDENTIFIER: US 7072855 B1

TITLE: Systems and methods for purchasing, invoicing and distributing items

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 6973434 B2

L18: Entry 2 of 5

File: USPT

Dec 6, 2005

US-PAT-NO: 6973434

DOCUMENT-IDENTIFIER: US 6973434 B2

TITLE: Computer-based system for automating administrative procedures in an office

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 6029144 A

L18: Entry 3 of 5

File: USPT

Feb 22, 2000

US-PAT-NO: 6029144

DOCUMENT-IDENTIFIER: US 6029144 A

TITLE: Compliance-to-policy detection method and system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 5739512 A

L18: Entry 4 of 5

File: USPT

Apr 14, 1998

US-PAT-NO: 5739512

DOCUMENT-IDENTIFIER: US 5739512 A

TITLE: Digital delivery of receipts

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 5680328 A

L18: Entry 5 of 5

File: USPT

Oct 21, 1997

US-PAT-NO: 5680328

DOCUMENT-IDENTIFIER: US 5680328 A

TITLE: Computer assisted driver vehicle inspection reporting system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KWIC	Draw. De
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Terms	Documents
L17 and ((electronic near2 receipt\$) or "e-receipt") and (receipt\$ same ((inventor\$ or report\$) with updat\$))	5

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L18: Entry 1 of 5

File: USPT

Jul 4, 2006

DOCUMENT-IDENTIFIER: US 7072855 B1

TITLE: Systems and methods for purchasing, invoicing and distributing items

Brief Summary Text (6):

Such a process is challenging to the accounting department who must reconcile the items shipped with the items ordered. Further, the warehouse must update their inventory levels to make sure that the shelves have a par level of each of the items. This can be challenging when working from a signed receipt, especially when only a partial shipment is received.

Brief Summary Text (14):

Following shipment of the items listed in the advanced shipping notice, the items may be restocked into the dispensing units, and a record may be produced indicating the items that were actually received in the shipment and restocked into the dispensing units. Conveniently, the dispensing units may be restocked by simply pressing a restock button on the dispensing unit. Since the dispensing unit processor has a record of items to be restocked (from the advanced shipping notice), the shipped items may simply be placed into the dispensing unit. A corresponding item button is touched once for each item placed into the dispensing unit to record what items were actually shipped and once again to acknowledge that the quantity restocked is the same as the quantity contained in the record from the advance shipping notice. The dispensing units may then be used to reconcile the restocked items with the advanced shipping notice, and to electronically send a confirmation receipt to the server computer. The electronic receipt may then be forwarded from the server computer to the suppliers and to the electronic requisition and purchasing system. Using the electronic receipt, an electronic invoice may be generated by the supplier and may be electronically sent to the business portal computer and the hosted procurement application. Based on the electronic invoice, the electronic requisition and purchasing system may be used to generate payment for each supplier.

Description Paragraph (13):

FIG. 11 schematically illustrates the sending of an electronic receipt to the server computer.

Description Paragraph (14):

FIG. 12 schematically illustrates the sending of the electronic receipt to the supplier computers and to the electronic requisition and purchasing system.

Description Paragraph (39):

As previously described, each dispensing unit 50 has a record of the advanced shipping notice from the supplier. As shown in FIG. 11, computer 56 is used to synchronize the items restocked with the advanced shipping notice. In this way, any discrepancies between the items actually shipped as compared to the items that were expected to be shipped may be determined in an automated manner. Each dispensing unit 50 then generates an electronic receipt using computer 56. The electronic receipt contains a confirmation of receipt of the items restocked as compared to the advanced shipping notice. The receipt is then transferred over the network to server computer 60. For items that are not stocked in dispensing units 50, the end user may generate an electronic receipt using computer 64. This receipt is then

transferred to application computer 62.

Description Paragraph (40):

Server computer 60 forwards the electronic receipt from dispensing units 50 to application computer 62 where the hosted procurement application sends the electronic receipt to supplier computer 74 via e-business portal 70 as shown in FIG. 12. The electronic receipt is also forwarded to ERP system 66 for comparison with the original purchase order. In this way, the customer's accounting department automatically receives an electronic confirmation of shipment for comparison against the purchase order. Further, the supplier automatically receives the same electronic confirmation.

Description Paragraph (41):

With the electronic receipt, supplier computer 74 generates and sends an electronic invoice over the network back through e-business portal 70 to application computer 62 as shown in FIG. 13. The hosted procurement application then transmits the electronic invoice to the end user's ERP system 66. ERP system 66 then issues payment in the form of a check, money transfer, or the like to the supplier. Hence, the invention provides for the automated generation of ordering information as items are removed for consumption. The invention also provides a convenient way to approve or modify the order and to then electronically transmit the order request to an ERP system for purchase order generation. Suppliers are able to receive electronic purchase orders and to electronically send advanced shipping notices. This permits automated confirmations of shipment to be generated and sent back to the suppliers for generation of an electronic invoice. This invoice may then be used to provide payment.

US Reference Patent Number (10):

5739512

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L5: Entry 1 of 11

File: USPT

Jun 6, 2006

US-PAT-NO: 7058596

DOCUMENT-IDENTIFIER: US 7058596 B1

TITLE: System for managing customer orders and methods of implementation

DATE-ISSUED: June 6, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wojcik; Casimir M.	Tampa	FL		US
Pretto; Paul A.	Clearwater	FL		US
Courier; Jim	Dale City	FL		US
Morrow; Bob	Plant City	FL		US
Wehry, Jr.; Joseph R.	Riverview	FL		US
Kuczynski; Paul	Tampa	FL		US
Edwards; Matt F.	Dade City	FL		US
Schnieder; Mark A.	Land O'Lakes	FL		US
Loftus; Thomas W.	Plant City	FL		US
Schnieders; Brian	Temple Terrace	FL		US
Bernardi; Thomas C.	Odessa	FL		US
Pellerin; Craig Raymond	Tampa	FL		US
Bushaw; Ron D.	Plant City	FL		US
Schebell; Michael Lewis	Lutz	FL		US
Hartley; Bill D.	Spring Hill	FL		US
Cappel; Sheila	Lutz	FL		US
Weisgarber; Kimberly	Webster	FL		US
Vogler; Henry Lee	Brandon	FL		US
Ferguson; Louis Duane	Zephyrhills	FL		US

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Lykes Bros., Inc.	Tampa	FL		US	02

APPL-NO: 09/083681   [PALM]

DATE FILED: May 22, 1998

## RELATED-US-APPL-DATA:

continuation parent-doc US 08474970 00 19950607 US 5758329 A 19980526 chi- 1d-doc  
US 09083681continuation parent-doc US 08111242 00 19930824 US 5666493 A 19970909 chi- 1d-doc  
US 08474970

INT-CL-ISSUED:

TYPE IPC DATE IPC-OLD  
IPCP G06F17/60 20060101 G06F017/60

US-CL-ISSUED: 705/26; 705/27, 705/28, 705/30, 705/34, 235/375, 700/96  
US-CL-CURRENT: 705/26; 235/375, 700/96, 705/27, 705/28, 705/30, 705/34

FIELD-OF-CLASSIFICATION-SEARCH: 705/26, 705/27, 705/28, 705/30, 705/34, 235/375, 700/96

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4734858</u>	March 1988	Schlaflly	705/26
<input type="checkbox"/>	<u>4799156</u>	January 1989	Shavit et al.	705/26
<input type="checkbox"/>	<u>5265006</u>	November 1993	Asthana et al.	
<input type="checkbox"/>	<u>5310997</u>	May 1994	Roach et al.	235/375
<input type="checkbox"/>	<u>5311438</u>	May 1994	Sellers et al.	364/468.02
<input type="checkbox"/>	<u>5319542</u>	June 1994	King, Jr. et al.	705/27
<input type="checkbox"/>	<u>5434394</u>	July 1995	Roach et al.	235/375
<input type="checkbox"/>	<u>5666493</u>	September 1997	Wojcik et al.	705/26
<input type="checkbox"/>	<u>5721832</u>	February 1998	Westrope et al.	705/27
<input type="checkbox"/>	<u>5740425</u>	April 1998	Povilus	707/100
<input type="checkbox"/>	<u>5758329</u>	May 1998	Wojcik et al.	705/28

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
WO99/19819	April 1999	WO	

OTHER PUBLICATIONS

More Security For Your Blanket, Thomas E. Skopal, Sales Management, May 5, 1975, V114, n2, pp. 52 and 55. cited by examiner  
A Buyers' Guide To Software For Purchasing. (buyers guide). Purchasing, v111, n1, p77(5), Jul. 18, 1991. cited by examiner  
Partners Sign Umbrella Agreement, News Release, Solano Employment Connection, Planning/wia/mou in ms word/mou final DR mod.doc, Jul. 12, 2000, pp. 11 including Cover Sheet. Printed on May 24, 2004, from  
<http://www.solanoemployment.com/aboutus/mou.htm>. cited by examiner

ART-UNIT: 3623



PRIMARY-EXAMINER: Hafiz; Tariq R.

ASSISTANT-EXAMINER: Irshadullah; M.

ATTY-AGENT-FIRM: Womble Carlyle

ABSTRACT:

The system of this invention manages customer orders using vendor supplied software systems interfaced on a real time basis to touch the data in each system on a real time basis. In effect, there is horizontal communication between the various components of the system such as inventory, purchasing, order management and receipt, logistics and inventory to have continual data flow without using a vertical software interface. As a result, customer orders are received on a real-time basis using screens that are user friendly to promptly take orders, and to verify customer data and verify the ability to meet those orders. Transmission of documents within the system is minimized thereby making it more efficient, timely and cost efficient.

12 Claims, 42 Drawing figures

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Search Results - Record(s) 1 through 10 of 11 returned.

☐ 1. Document ID: US 7058596 B1

L5: Entry 1 of 11

File: USPT

Jun 6, 2006

US-PAT-NO: 7058596

DOCUMENT-IDENTIFIER: US 7058596 B1

TITLE: System for managing customer orders and methods of implementation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Patent Images	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 6594692 B1

L5: Entry 2 of 11

File: USPT

Jul 15, 2003

US-PAT-NO: 6594692

DOCUMENT-IDENTIFIER: US 6594692 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Methods for transacting electronic commerce

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Patent Images	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 6587836 B1

L5: Entry 3 of 11

File: USPT

Jul 1, 2003

US-PAT-NO: 6587836

DOCUMENT-IDENTIFIER: US 6587836 B1

TITLE: Authentication and entitlement for users of web based data management programs

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Patent Images	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 5982891 A

L5: Entry 4 of 11

File: USPT

Nov 9, 1999

US-PAT-NO: 5982891

DOCUMENT-IDENTIFIER: US 5982891 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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**NO** ☐ 5. Document ID: US 5978772 A

L5: Entry 5 of 11

File: USPT

Nov 2, 1999

US-PAT-NO: 5978772

DOCUMENT-IDENTIFIER: US 5978772 A

TITLE: Merchandise checkout system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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**NO** ☐ 6. Document ID: US 5915019 A

L5: Entry 6 of 11

File: USPT

Jun 22, 1999

US-PAT-NO: 5915019

DOCUMENT-IDENTIFIER: US 5915019 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 7. Document ID: US 5794212 A

L5: Entry 7 of 11

File: USPT

Aug 11, 1998

US-PAT-NO: 5794212

DOCUMENT-IDENTIFIER: US 5794212 A

TITLE: System and method for providing more efficient communications between energy suppliers, energy purchasers and transportation providers as necessary for an efficient and non-discriminatory energy market

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 8. Document ID: US 5694546 A

L5: Entry 8 of 11

File: USPT

Dec 2, 1997

US-PAT-NO: 5694546

DOCUMENT-IDENTIFIER: US 5694546 A

TITLE: System for automatic unattended electronic information transport between a server and a client by a vendor provided transport software with a manifest list

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn De
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☐ 9. Document ID: US 5666493 A

L5: Entry 9 of 11

File: USPT

Sep 9, 1997

US-PAT-NO: 5666493

DOCUMENT-IDENTIFIER: US 5666493 A

TITLE: System for managing customer orders and method of implementation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn De
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☐ 10. Document ID: US 4972318 A

L5: Entry 10 of 11

File: USPT

Nov 20, 1990

US-PAT-NO: 4972318

DOCUMENT-IDENTIFIER: US 4972318 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Order entry and inventory control method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn De
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☐ 11. Document ID: US 4958280 A

L5: Entry 11 of 11

File: USPT

Sep 18, 1990

US-PAT-NO: 4958280

DOCUMENT-IDENTIFIER: US 4958280 A

TITLE: Apparatus and method for satisfying disposable contact lens prescriptions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KMC	Draw D
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Terms	Documents
L4 and (705/26  705/27).ccls.	11

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L6: Entry 1 of 6

File: USPT

Jun 6, 2006

DOCUMENT-IDENTIFIER: US 7058596 B1

TITLE: System for managing customer orders and methods of implementation

Application Filing Date (1):  
19980522Description Paragraph (166):

Referring to FIG. 38, there is shown in diagrammatic function the electronic catalog. The different functions of the system using the electronic catalog are noted on this diagram. The purchasing function is notable in which requests for quotations are prepared based upon item usage and vendor performance. The analysis for quotes is accomplished by contract management system which provides for the monitoring of contracts vendors. Subsequent vendor's performance is monitored. All of this is entered into the data base. Likewise the supplier management team, designated by SMT, examines item usage and inquiries as well as ordering patterns to determine the historical basis of future order requirements, thereby creating a decision basis as to what inventory to use to create a data base of items to be made available on the electronic catalog. The items will be standardized to the extent possible and fewer vendors approved to minimize the amount of transactions necessary for procuring repetitive standardized items. Likewise the information on receipt of goods for receiving, schedules and receipt transactions are supported by the electronic catalog. Managers may make selections from the electronic catalog using on-line approval procedures based upon approved budgets. This information is fed back in the budget and expenditure monitoring programs to update the financial projections for the year-end to determine if the budget is on target or otherwise out of performance. The electronic catalog also may be updated by vendors, including price updates, if there is approval for that practice with the vendor.

Description Paragraph (168):

Referring to FIG. 40, there is shown in diagrammatic relationship, the electronic catalog (500) and how it accesses information throughout the system. It can be seen that the electronic catalog (500) works throughout this network to update (120) accounts payable as well as to show when there has been a payment to or by a vendor. The electronic catalog (500) also interacts with the human resources input system (502) to identify approved users in the system. The electronic catalog (500) also interacts with the transportation, maintenance technique inventory system (504) to identify items for the fleet maintenance system. The electronic catalog (500) also interacts with the ELKE maintenance system (506), and the MRO inventory (508), which is a store room inventory system, to see if items are in stock and to respond to a request by a user, versus having to order the items from the catalog. The EC also interacts with the PRISM software (170) to update inventory records. As previously stated, the electronic catalog (500) interacts with the vendor (510) to receive quotes and to ask the vendor (510) for requests for quotations and transmit contracts back and forth. This communication is by EDI, supplemented by fax, phone and release orders, if appropriate. The electronic catalog notes receipts of goods (512), so its data base may be updated.

Current US Original Classification (1):  
705/26

not to check  
for delivery

Current US Cross Reference Classification (3):  
705/27

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L6: Entry 2 of 6

File: USPT

Jul 15, 2003

DOCUMENT-IDENTIFIER: US 6594692 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Methods for transacting electronic commerce

Application Filing Date (1):19960429Detailed Description Text (60):

After completion of transport and receipt of a completion manifest, server 22 is disconnected at block 64, received objects are decompressed and unpacked at block 66 and stored in a designated disk storage location at block 68. Object storage triggers containing information product 12's import processing to assimilate the information update with the original information product at block 70, following which a completion report is issued at 72 and control is returned to the containing information product 12 at 74.

Current US Cross Reference Classification (1):705/26[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)



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L6: Entry 3 of 6

File: USPT

Nov 2, 1999

DOCUMENT-IDENTIFIER: US 5978772 A  
TITLE: Merchandise checkout system

Application Filing Date (1):  
19971007

Brief Summary Text (12):

In particular, the Kumar patent discloses a hand held bar-code gun which has a visual display, a numeric key pad with additional feature buttons, a magnetic card swipe, the ability to print a receipt, and wireless communication ability with a register. The Kumar patent suggests that such a device furnishes all functions necessary to facilitate a complete a point of sale credit card transaction. This patent, however, fails to teach the use of the gun for increasing throughput in the manner described by the present method, nor in combination with a computerized cash register or a queue ticket having a bar-code for scanning and retrieval of the pre-scanned merchandise. The Zook and Tymes patents describe portable handheld optical bar code readers using a radio frequency transceiver to wirelessly and interactively communicate with a remote computer system. Finally, the Swartz patent describes the use of an optical bar code reader on a field-portable housing on a belt or shoulder strap which communicates with a host computer, which may be a cash register, to provide retail price information which in turn is used to update labelling of inventory. The invention of the European Patent is also an optical reader with a printer directed at labelling. Each of these patents fails to teach a use for increasing throughput in the manner described by the present method, or a combination of readers with both a computerized cash register and a bar code readable queue ticket read by a second scanner at the cash register.

Current US Cross Reference Classification (7):  
705/27

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L6: Entry 3 of 6

File: USPT

Nov 2, 1999

US-PAT-NO: 5978772

DOCUMENT-IDENTIFIER: US 5978772 A

TITLE: Merchandise checkout system

DATE-ISSUED: November 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mold; Jeffrey W.	Virginia Beach	VA	23451	

APPL-NO: 08/946653 [\[PALM\]](#)

DATE FILED: October 7, 1997

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATION This application claims the benefit of U.S. Provisional Patent Application Serial No. 60/028,464, filed Oct. 11, 1996.

INT-CL-ISSUED: [06] [G06 F 17/60](#)

US-CL-ISSUED: 705/16; 705/20, 705/21, 705/24, 705/27, 235/383, 235/432, 235/462, 186/61

US-CL-CURRENT: [705/16](#); [186/61](#), [235/383](#), [235/432](#), [705/20](#), [705/21](#), [705/24](#), [705/27](#)

FIELD-OF-CLASSIFICATION-SEARCH: 235/383, 235/432, 235/462, 186/61, 705/16, 705/20, 705/21, 705/24

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected](#) [Search ALL](#) [Clear](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <a href="#">4675647</a>	June 1987	Salin et al.	340/286.06
<input type="checkbox"/> <a href="#">4850009</a>	July 1989	Zook et al.	379/93.17
<input type="checkbox"/> <a href="#">4859838</a>	August 1989	Okiharu	705/22
<input type="checkbox"/> <a href="#">5029183</a>	July 1991	Tymes	375/206
<input type="checkbox"/> <a href="#">5179270</a>	January 1993	Taussig et al.	235/462.15
<input type="checkbox"/> <a href="#">5245163</a>	September 1993	Yehuda	235/377
<input type="checkbox"/> <a href="#">5272324</a>	December 1993	Blevins	53/64

<input type="checkbox"/> <u>5311969</u>	May 1994	Dickover et al.	186/61
<input type="checkbox"/> <u>5386106</u>	January 1995	Kumar	235/380
<input type="checkbox"/> <u>5393965</u>	February 1995	Bravman et al.	235/383
<input type="checkbox"/> <u>5424524</u>	June 1995	Ruppert et al.	705/8
<input type="checkbox"/> <u>5448046</u>	September 1995	Swartz	235/432
<input type="checkbox"/> <u>5497853</u>	March 1996	Collins, Jr. et al.	186/61
<input type="checkbox"/> <u>5793861</u>	August 1998	Haigh	379/266
<input type="checkbox"/> <u>5804807</u>	September 1998	Murrah et al.	235/383

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
199252	October 1986	EP	
WO 90/16051	December 1990	WO	

ART-UNIT: 271

PRIMARY-EXAMINER: Voeltz; Emanuel Todd

ASSISTANT-EXAMINER: Hayes; John W.

ATTY-AGENT-FIRM: Litman; Richard C.

## ABSTRACT:

A merchandise checkout system in which a first scanning device is brought into service at peak times to scan the bar codes of checkout items held by waiting customers in a checkout lane. Each first scanning device is preferably a mobile unit linked with a central computer tuned to a single transceiver frequency associated with each lane so that multiple scanning units may be placed into service simultaneously. Purchase information is transmitted both to a tote display screen for review by a customer and to a temporary holding memory of the computer, linked with the computerized cash register of a lane. A specialized bagging cart is described to assist a clerk during scanning. After the checkout items are totalled, a multi-part queue number-total/subtotal slip including a bar code readable by a second scanning device at a cash register component is generated and presented to the waiting purchaser for later presentation to the cashier. The computer memory is capable of storing multiple files of purchase information associated with each lane. The cashier is thereby freed to only scan the queue number-total/subtotal slip to verify and tender the payments of customers serviced by the first scanning device, thereby increasing throughput. The queue number-total/subtotal is retrieved from the customer before payment, whereupon the customer is presented with an enlarged, organized receipt.

10 Claims, 7 Drawing figures

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L6: Entry 5 of 6

File: USPT

Sep 9, 1997

US-PAT-NO: 5666493

DOCUMENT-IDENTIFIER: US 5666493 A

TITLE: System for managing customer orders and method of implementation

DATE-ISSUED: September 9, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wojcik; Casimir M.	Tampa	FL		
Pretto; Paul A.	Clearwater	FL		
Courier; Jim	Dade City	FL		
Morrow; Bob	Plant City	FL		
Wehry, Jr.; Joseph R.	Riverview	FL		
Kuczynski; Paul	Tampa	FL		
Edwards; Matt F.	Dade City	FL		
Schnieder; Mark A.	Land O'Lakes	FL		
Loftus; Thomas W.	Plant City	FL		
Schnieders; Brian	Temple Terrace	FL		
Bernardi; Thomas C.	Odessa	FL		
Pellerin; Craig Raymond	Tampa	FL		
Bushaw; Ron D.	Plant City	FL		
Schebell; Michael Lewis	Lutz	FL		
Hartley; Bill	Sring Hill	FL		
Cappel; Sheila	Lutz	FL		
Weisgarber; Kimberly	Webster	FL		
Vogler; Henry Lee	Brandon	FL		
Ferguson; Louis Duane	Zephyrhills	FL		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Lykes Bros., Inc.	Tampa	FL			02

APPL-NO: 08/111242   [\[PALM\]](#)

DATE FILED: August 24, 1993

INT-CL-ISSUED: [06] [G06](#) [F](#) [15/17](#)

US-CL-ISSUED: 705/26; 705/22

US-CL-CURRENT: [705/26](#); [705/22](#)

FIELD-OF-CLASSIFICATION-SEARCH: 364/403, 364/401, 364/479, 364/478, 395/222  
See application file for complete search history.

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

[Search Selected](#)[Search ALL](#)[Clear](#)

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<a href="#">3616944</a>	November 1971	Field	414/285
<input type="checkbox"/>	<a href="#">4459663</a>	July 1984	Dye	364/403
<input type="checkbox"/>	<a href="#">4542808</a>	September 1985	Lloyd, Jr. et al.	364/478
<input type="checkbox"/>	<a href="#">4864507</a>	September 1989	Ebling et al.	
<input type="checkbox"/>	<a href="#">5038283</a>	August 1991	Caveney	364/403
<input type="checkbox"/>	<a href="#">5101352</a>	March 1992	Rembert	364/403
<input type="checkbox"/>	<a href="#">5161929</a>	November 1992	Lichti, Sr. et al.	364/478
<input type="checkbox"/>	<a href="#">5265006</a>	November 1993	Asthana et al.	364/401
<input type="checkbox"/>	<a href="#">5273392</a>	December 1993	Bernard, II et al.	364/478

ART-UNIT: 241

PRIMARY-EXAMINER: McElheny, Jr.; Donald E.

ATTY-AGENT-FIRM: Hogue, Sr.; Dale Curtis Kilpatrick Stockton LLP

## ABSTRACT:

The system of this invention manages customer orders using vendor supplied software systems interfaced on a real-time basis to touch the data in each system on a real time basis. In effect, there is horizontal communication between the various components of the system such as inventory, purchasing, order management and receipt, logistics and inventory to have continual data flow without using a vertical software interface. As a result, customer orders are received on a real-time basis using screens that are user friendly to promptly take orders, and to verify customer data and verify the ability to meet those orders. Transmission of documents within the system is minimized thereby making it more efficient, timely and cost efficient.

2 Claims, 42 Drawing figures

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L6: Entry 5 of 6

File: USPT

Sep 9, 1997

DOCUMENT-IDENTIFIER: US 5666493 A

TITLE: System for managing customer orders and method of implementation

Application Filing Date (1):19930824Detailed Description Text (123):

Referring to FIG. 38, there is shown in diagrammatic function the electronic catalog. The different functions of the system using the electronic catalog are noted on this diagram. The purchasing function is notable in which requests for quotations are prepared based upon item usage and vendor performance. The analysis for quotes is accomplished by contract management system which provides for the monitoring of contracts vendors. A subsequent vendor's performance is monitored. All of this is entered into the data base. Likewise the supplier management team, designated by SMT, examines item usage and inquiries as well as ordering patterns to determine the historical basis of future order requirements, thereby creating a decision basis as to what inventory to use to create a data base of items to be made available on the electronic catalog. The items will be standardized to the extent possible and fewer vendors approved to minimize the amount of transactions necessary for procuring repetitive standardized items. Likewise the information on receipt of goods for receiving schedules and receipt transactions are supported by the electronic catalog. Managers may make selections from the electronic catalog using on-line approval procedures based upon approved budgets. This information is fed back into the budget and expenditure monitoring programs to update the financial projections for the year-end to determine if the budget is on target or otherwise out of performance. The electronic catalog also may be updated by vendors, including price updates, if there is approval for that practice with the vendor.

Detailed Description Text (125):

Referring to FIG. 40, there is shown in diagrammatic relationship, the electronic catalog (500) and how it accesses information throughout the system. It can be seen that the electronic catalog (500) works throughout this network to update (120) accounts payable as well as to show when there has been a payment to or by a vendor. The electronic catalog (500) also interacts with the human resources input system (502) to identify approved users in the system. The electronic catalog (500) also interacts with the transportation, maintenance technique inventory system (504) to identify items for the fleet maintenance system. The electronic catalog (500) also interacts with the ELKE maintenance system (506), and the MR0 inventory (508), which is a store room inventory system, to see if items are in stock and to respond to a request by a user, versus having to order the items from the catalog. The EC also interacts with the PRISM software (170) to update inventory records. As previously stated, the electronic catalog (500) interacts with the vendor (510) to receive quotes and to ask the vendor (510) for requests for quotations and transmit contracts back and forth. This communication is by EDI, supplemented by fax, phone and release orders, if appropriate. The electronic catalog notes receipts of goods (512), so its data base may be updated.

Current US Original Classification (1):705/26

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